

1 WHAT IS CLAIMED IS:

- 2 *Eb P1*
- 3 1. A low profile depository cabinet-safe combination comprising:
- 4 a) a safe forming a hollow safe interior therein accessible
5 through a lockable door;
- 6 b) a depository cabinet set atop and locked to said safe,
7 forming an enclosed cabinet interior accessible through a pivotally
8 mounted lockable door by inputting an unlocking combination
9 therein;
- 10 c) an opening formed in said safe and an opening formed in
11 said cabinet to place the respective interiors thereof in vertical
12 communication with each other;
- 13 d) deposit handling means in said depository cabinet ⁵⁵
14 including:
- 15 i) a deposit plate moveable from inside said
16 cabinet interior, with said cabinet door, to outside said
17 cabinet when said cabinet door is fully opened, on
18 which to place a deposit; and, ⁵⁹
- 19 ii) a deposit actuator for moving with said
20 cabinet door to move said deposit plate and the deposit
21 placed upon it from outside said cabinet into said
22 cabinet interior, as said door is being closed, and off
23 said deposit plate, over said communications opening, ⁶⁵
24 to allow the deposit to fall down into said safe interior;
25 and,
- 26 e) means for preventing said cabinet door from being reopened
27 until another unlocking combination is inputted to unlock said cabinet
28 front door.

1 2. The low profile depository cabinet-safe combination of Claim 1 wherein
2 said lockable cabinet door includes an electric push-button-activated locking and
3 unlocking mechanism that comprises a memory, to hold the accessible combination
4 codes, a set of push buttons for inputting the codes, and an electronic processor to
5 process the codes and actuate the door lock when a recognizable code is inputted
6 therein.

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8 3. The low profile depository cabinet-safe combination of Claim 2 wherein
9 said memory also includes a provision to record the date, time and access code of all
10 entrances into said depository cabinet.

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12 4. The low profile depository cabinet-safe combination of Claim 1 further
13 including anti-theft baffle means along the edges surrounding said openings formed
14 in said depository cabinet and said safe to place their respective interiors in vertical
15 communication with each other.

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17 5. The low profile depository cabinet-safe combination of Claim 1 wherein
18 said deposit handling means further includes:

19 a) a deposit actuator front wall, a deposit actuator rear wall and
20 a deposit actuator curved outside wall joined along their respective
21 bordering edges to form a 3-dimensional pie-shaped figure no smaller
22 than the size of said deposit plate, and a sleeve formed at the
23 intersection of said front wall and said rear wall for pivotal mounting
24 of said deposit actuator for moving with said cabinet door;

25 b) a slot formed in said deposit actuator front wall adapted to
26 allow entrance of said deposit plate therein when said cabinet door is

1 closed and to allow exit of said deposit plate therefrom when said
2 cabinet door is opened; and,

3 c) means for allowing said deposit actuator, with said deposit
4 plate inside thereof, to rotate with said deposit actuator as said cabinet
5 door is opened, until said deposit plate is fully outside said cabinet,
6 and then to halt further pivotal movement of said deposit plate and
7 allow said deposit actuator to continue to swing open with said cabinet
8 door while holding said deposit actuator and allowing it to pass out
9 through said slot in said deposit actuator front wall.

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11 6. The low profile depository cabinet-safe combination of Claim 1 wherein
12 said deposit handling means further includes:

13 a) a deposit actuator front wall, a deposit actuator rear wall and
14 a deposit actuator curved outside wall joined along their respective
15 bordering edges to form a 3-dimensional pie-shaped figure of a size
16 no smaller than the size of said deposit plate, and a sleeve formed at
17 the intersection of said front wall and said rear wall for pivotal
18 mounting of said deposit actuator for moving with said cabinet door;

19 b) a slot formed in said deposit actuator front wall adapted to
20 allow entrance of said deposit plate therein when said cabinet door is
21 closed and to allow exit of said deposit plate therefrom when said
22 cabinet door is opened; and,

23 c) means for allowing said deposit actuator, with said deposit
24 plate outside thereof, to rotate apart from said deposit actuator as said
25 cabinet door is closed, until said deposit plate is fully inside said
26 cabinet, and then allow said deposit actuator to continue to rotate
27 inward toward said cabinet interior with said cabinet door, to force

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1 said deposit plate in through said slot and begin to enter said deposit
2 actuator and, simultaneously, push all deposits off said deposit plate
3 and over said communication hole as said cabinet door is closing.
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5 7. The low profile depository cabinet-safe combination of Claim 5 wherein
6 said deposit plate has a sinusoidal surface and said slot is formed with a similar
7 sinusoidal opening to allow close passage over said surface.

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9 8. The low profile depository cabinet-safe combination of Claim 6 wherein
10 said deposit plate has a sinusoidal surface and said slot is formed with a similar
11 sinusoidal opening to allow close passage over said surface.

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13 9. The low profile depository cabinet-safe combination of Claim 1 wherein
14 said safe door and said cabinet door are mounted on the same side of the
15 combination.
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18 10. The low profile depository cabinet-safe combination of Claim 1 wherein
19 said safe door and said cabinet door are mounted on the same side of the
20 combination and both said doors are mounted to swing through a horizontal arc.

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22 11. The low profile depository cabinet-safe combination of Claim 1 further
23 including at means for creating an electric curtain across said communications
24 opening between said safe and said cabinet and receptors to determine when said
25 curtain has been penetrated by passage of an item dropped from said cabinet interior
26 down into said safe interior.
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1 12. The low profile depository cabinet-safe combination of Claim 1 further
2 including means for deterring removal of said pivotally-mounted cabinet door said
3 means comprising:

- 4 a) a locking bar slidingly mounted on said deposit actuator
5 front wall in a pair of spaced-apart support flanges, said locking bar of
6 a length sufficient to be extended to and placed in contact with the
7 inside surface of said cabinet side wall on the side thereof on which
8 said door hinge is mounted; and,
9 b) means for locking said locking bar against an inside cabinet
10 wall so that said door will jam when said hinges are severed and said
11 cabinet is attempted to be removed by the severed hinge side first.

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13 13. The low profile depository cabinet-safe combination of Claim 1 further
14 including an outside rim, formed on said cabinet door, that fits into an inset formed
15 about the cabinet opening in which said cabinet door is pivotally mounted to
16 discourage the practice of slipping or inserting a "fish" wire in between the edges of
17 said door and said cabinet opening in order to unlawfully penetrate said cabinet.
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19 14. A depository cabinet comprising a top cabinet wall, a plurality of
20 downwardly descending cabinet side walls terminated by a bottom wall forming an
21 enclosed cabinet interior accessible through a pivotally mounted lockable door
22 formed over an opening in a contiguous front wall, said door openable by inputting
23 an unlocking combination therein, said cabinet further comprising:
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- 25 a) an opening formed in said cabinet bottom wall; and,
26 b) deposit handling means in said depository cabinet
27 including:
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1 i) a deposit plate moveable from inside said cabinet interior,
2 with said cabinet door, to outside said cabinet, when said cabinet door
3 is fully opened, on which to place a deposit; and,

4 ii) a deposit actuator for moving with said
5 cabinet door to move said deposit plate and the deposit
6 placed thereupon from outside said cabinet into said
7 cabinet interior, as said door is being closed, and off
8 said deposit plate, over said opening, when said door is
9 being fully closed, to allow the deposit to fall down
10 through said opening; and,

11 e) means for preventing said cabinet door from being reopened
12 until another unlocking combination is inputted to unlock said cabinet
13 front door.

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15 15. The low profile depository cabinet-safe combination of Claim 14
16 wherein said lockable cabinet door includes an electric push-button-activated
17 locking and unlocking mechanism that comprises a memory, to hold the accessible
18 combination codes, a set of push buttons for inputting the codes, and an electronic
19 processor to process the codes and actuate the door lock when a recognizable code is
20 inputted therein.

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22 16. The low profile depository cabinet-safe combination of Claim 15
23 wherein said memory also includes a provision to record the date, time and access
24 code of all entrances into said depository cabinet.

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26 17. The low profile depository cabinet-safe combination of Claim 14 further
27 including anti-theft baffle means along the edges surrounding said openings formed

in said depository cabinet and said safe to place their respective interiors in vertical communication with each other.

18. The low profile depository cabinet-safe combination of Claim 14 wherein said deposit handling means further includes:

a) a deposit actuator front wall, a deposit actuator rear wall and a deposit actuator curved outside wall joined along their respective bordering edges to form a 3-dimensional pie-shaped figure no smaller than the size of said deposit plate, and a sleeve formed at the intersection of said front wall and said rear wall for pivotal mounting of said deposit actuator for moving with said cabinet door;

b) a slot formed in said deposit actuator front wall adapted to allow entrance of said deposit plate therein when said cabinet door is closed and to allow exit of said deposit plate therefrom when said cabinet door is opened; and,

c) means for allowing said deposit actuator, with said deposit plate inside thereof, to rotate with said deposit actuator as said cabinet door is opened, until said deposit plate is fully outside said cabinet, and then to halt further pivotal movement of said deposit plate and allow said deposit actuator to continue to swing open with said cabinet door while holding said deposit actuator and allowing it to pass out through said slot in said deposit actuator front wall.

19. The low profile depository cabinet-safe combination of Claim 14 wherein said deposit handling means further includes:

a) a deposit actuator front wall, a deposit actuator rear wall and a deposit actuator curved outside wall joined along their respective

1 bordering edges to form a 3-dimensional pie-shaped figure of a size
2 no smaller than the size of said deposit plate, and a sleeve formed at
3 the intersection of said front wall and said rear wall for pivotal
4 mounting of said deposit actuator for moving with said cabinet door;

5 b) a slot formed in said deposit actuator front wall adapted to
6 allow entrance of said deposit plate therein when said cabinet door is
7 closed and to allow exit of said deposit plate therefrom when said
8 cabinet door is opened; and,

9 c) means for allowing said deposit actuator, with said deposit
10 plate outside thereof, to rotate apart from said deposit actuator as said
11 cabinet door is closed, until said deposit plate is fully inside said
12 cabinet, and then allow said deposit actuator to continue to rotate
13 inward toward said cabinet interior with said cabinet door, to force
14 said deposit plate in through said slot and begin to enter said deposit
15 actuator and, simultaneously, push all deposits off said deposit plate
16 and over said communication hole as said cabinet door is closing.

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18 20. The low profile depository cabinet-safe combination of Claim 19
19 wherein said deposit plate has a sinusoidal surface and said slot is formed with a
20 similar sinusoidal opening to allow close passage over said surface.

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22 21. The low profile depository cabinet-safe combination of Claim 20
23 wherein said deposit plate has a sinusoidal surface and said slot is formed with a
24 similar sinusoidal opening to allow close passage over said surface.

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26 22. The low profile depository cabinet-safe combination of Claim 14 further
27 including at means for creating an electric curtain across said cabinet bottom wall

1 opening to determine when said curtain has been penetrated by passage of an item
2 dropped from said cabinet interior.

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4 23. The low profile depository cabinet-safe combination of Claim 14 further
5 including means for deterring removal of said pivotally-mounted cabinet door said
6 means comprising:

- 7 a) a locking bar slidingly mounted on said deposit actuator
8 front wall in a pair of spaced-apart support flanges, said locking bar of
9 a length sufficient to be extended to and placed in contact with the
10 inside surface of said cabinet side wall on the side thereof on which
11 said door hinge is mounted; and,
12 b) means for locking said locking bar against an inside cabinet
13 wall so that said door will jam when said hinges are severed and said
14 cabinet is attempted to be removed by the severed hinge side first.

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16 24. The low profile depository cabinet-safe combination of Claim 14 further
17 including an outside rim, formed on said cabinet door, that fits into an inset formed
18 about the cabinet opening in which said cabinet door is pivotally mounted to
19 discourage the practice of slipping or inserting a "fish" wire in between the edges of
20 said door and said cabinet opening in order to unlawfully penetrate said cabinet.

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